

**EPA Registration No.  
9688-250 Vol. 2**

# Material to be added to an e-Jacket/Jacket

Reg. No. 9688-2501A02

Description: \_\_\_\_\_

1. ☐ Placement within the e-Jacket/jacket:

- ☐ Default: (chronological, top = newest)
- ☐ File Location: (PDF page number, i.e., "before page 45")

2. ☒ Send to Data Extraction contractors this material:

- ☐ Newly stamped accepted label
- ☐ Notification
- ☐ New CSF
- ☐ Other: acceptable study

3. Attach this coversheet to the top of the material or jacket. It must be well organized and clipped together, NOT STAPLED. Then give the material with this coversheet to staff in the Information Services Center (Room S-4900).

Reviewer's Name: PAT Quarles

Phone: 305-6876 Division: RD

Date: \_\_\_\_\_

Mr. Eric Smith  
CHEMSICO Div. of United Industries Corp.  
P.O. Box 142642  
St Louis, MO 63114

NOV 17 2008

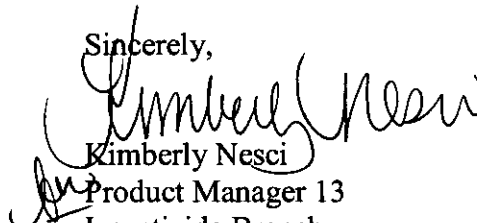
Dear Mr. Smith:

Subject: Results of Storage Stability & Corrosion Characteristics Study  
MRID# 47279801  
EPA Registration Number: 9688-250  
Product Name: CHEMSICO Insecticide Granules 5G  
Application date: November 5, 2007

The Storage Stability (830.6317) and Corrosion Characteristics (830.6320) data submitted as a condition of registration and submitted November 5, 2007 for the product referred to above have been reviewed/evaluated and found to be acceptable.

If you have any questions regarding this letter you may contact Ms. Pat Quarles @ 703-305-6876.

Sincerely,

  
Kimberly Nesci  
Product Manager 13  
Insecticide Branch  
Registration Division 7505P

Enclosure: September 30, 2008, Product Chemistry review

DATE OUT: 7/30/08

SUBJECT: STORAGE STABILITY (830.6317) & CORROSION CHARACTERISTICS  
(830.6320) REVIEW  
ACCELERATED STUDY [X]; ONE YEAR STUDY [X];  
OVER 1 YEAR STUDY [ ]  
MP [ ] EP [x] EUP [ ]  
DP BARCODE No. : 347129 REG. No. 9688-250  
DECISION No.: 386614 MRID No(s): 472798-01  
PRODUCT NAME: CHEMSICO INSECTICIDE GRANULES 5G  
COMPANY: CHEMSICO

FROM: William Herald/Reviewer *W Herald*  
Product Chemistry Team  
Technical Review Branch/RD (7505P)

*SBM 9/30/08*

TO: George LaRocca / Patricia Quarles RM 13  
Insecticide Branch /RD (7505P)

I. CONCLUSIONS:

STORAGE STABILITY (830.6317):  
[x] ACCEPTABLE  
[ ] UNACCEPTABLE\*  
[ ] UPGRADEABLE\*

40CFR158.190 DATA REQUIREMENT: [X] SATISFIED [ ] NOT SATISFIED

CORROSION CHARACTERISTICS (830.6320):  
[x] ACCEPTABLE  
[ ] UNACCEPTABLE\*  
[ ] UPGRADEABLE\*

40CFR158.190 DATA REQUIREMENT: [X] SATISFIED [ ] NOT SATISFIED

\* If unacceptable or upgradeable describe the deficiency and provide recommendations

Comments & Recommendations:

## II. STUDY SUMMARY

### A. STUDY CONDUCTED UNDER US GLP/OECD GUIDELINES

☒ Yes  
☐ No

### B. PRODUCT INFORMATION

Active ingredient(s): Gamma-Cyhalothrin.  
Label claims Nominal concentration: 0.05%.  
Initial concentration(s) of the AI(s) (%) used in the study: 0.0513%.  
Lower certified limits (%) based on AI % in the study: 0.04617%.

### C. EXPERIMENTAL PARAMETERS

Temperature: Ambient Warehouse. Accelerated study at 100 degrees Fahrenheit for 3 months in addition to 12 month study at ambient temperature was conducted.  
Duration of study: ☒ 1 year; ☐ over 1 year  
Type of container: Plastic "poly bag" containers.  
Analysis at intervals: ☒ 0 (initial);  
☒ 3 months; ☒ 6 months  
☒ 9 months; ☒ 12 months  
☐ Over 12 months

### D. ANALYTICAL METHOD: NONE STATED IN THE REPORT.

Method	DETECTOR
High Pressure Liquid chromatography (HPLC)	<input type="checkbox"/> UV/VIS 275nm

### E. RESULTS:

1. After analysis of the AI at 0, 3, 6, 9 and 12 month intervals the reported data shows that at ambient temperatures the AI% appears to have remained well within the statutory parameters required in 40 CFR § 158.350.
2. At the accelerated, 100 degrees Fahrenheit temperature (for 3 months) study, the AI fell below the required parameters as recited in 40 CFR § 158.350. Registrant suggests that different packaging such as a metalized poly bag may be required to help prevent oxidation and consequent loss of the AI.
3. The report recites that at both accelerated and "real time" studies there were no changes in the container.
4. There were no reported impurities



United States Environmental Protection Agency  
Office of Pesticide Programs (H7505C)  
Washington, DC 20460

# Application for Pesticide:

☐ Registration  
☒ Amendment  
☐ Other

OPP Identifier Number

## Section I

1. Company/Product Number <b>9688-250</b>	2. Product Manager <b>G. LaRocca</b>	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>Chemsico Insecticide Granules 5G</b>	PM# <b>13</b>	
5. Name and Address of Applicant (include ZIP Code) <b>CHEMSICO, Div. Of United Industries Corp. P.O. Box 142642 St. Louis, MO 63114</b> <input type="checkbox"/> Check if this is a new address	6 Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labelling to:  EPA Reg. No. _____ Product Name _____	

## Section II

<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed label in response to Agency letter date
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "ME TOO" Application.
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - explain below

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

**Submission of storage stability and corrosion characteristics study as condition of registration.**

## Section III

1. Material in Which This Product Will Be Packaged:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes * <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water-Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "YES," Unit package wgt	No. per container	If "YES," Package wgt	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label Is Affixed To Product <input type="checkbox"/> Lithographed <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

## Section IV

1. Contact Point (Complete items directly below for identification of the individual to be contacted, if necessary, to process this application)		
Name <b>Eric D. Smith</b>	Title <b>Regulatory Affairs Specialist</b>	Telephone No. (include Area Code) <b>314-683-2435</b>
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6 Date Application Received (Stamped) 
2. Signature 	3. Title <b>Regulatory Affairs Specialist</b>	
4. Typed Name <b>Eric D. Smith</b>	5. Date <b>November 5, 2007</b>	



<http://www.ripoffreport.com/reports/0/265/RipOff0265221.htm>

**Report: Chemsico Division Of United Industries Corp Phone: 800-332-5553**

Category: Exterminating Services

**Chemsico Division Of United Industries Corp Rid-A-Bug Ant & Roach Killer 2 Unscented Ripoff**

**St Louis Missouri\*Consumer Comment ..Thanks For The InfoChemsico Division Of United Industries Corp**

Submitted: 8/4/2007 11:26:38 AM  
Modified: 8/4/2007 7:33:34 PM

Nell  
GAINESVILLE, Florida

PO Box 142642  
St Louis, Missouri, 63114-0642  
U.S.A.

When I moved into my home I bought a pack of 3 Rid-A-Bug Ant & Roach Killer 2 (Unscented)

17.5 oz from a local store in Florida. I used this in place of a Licensed Pesticide company to combat various sizes of roaches occasionally. It got to the point that I was seeing roaches more often than I should and hired a National Licensed Pesticide company to treat the inside and perimeter of my house. In between service calls I still relied on the Rid-A-Bug Ant & Roach Killer 2 (Unscented).

A couple of days ago I seen another small (baby) roach and was quick enough to spray it with the Rid-A-Bug Ant & Roach Killer 2 (Unscented). I also captured the bug and put it in a zip-lock bag to save for my Licensed Pesticide company to see so that they would believe me.

The bug is still alive in the bag after I saturated it with the spray 2 day ago. I am having a hard time believing the ingredients in this product can kill anything. Also, all the time I have been applying the spray thinking I was doing some good was all a lie.

Are there spot checks to prove the ingredients work? Because for some reason my bug spray does not Kill.

Thanks

Nell  
GAINESVILLE, Florida  
U.S.A.





U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
1200 Pennsylvania Avenue NW  
Washington, D.C. 20460

EPA Reg. Number: 9688-250 Date of Issuance: 02/15/07

Term of Issuance:

Conditional

Name of Pesticide Product:

Chemsico Insecticide Granules 5G

# NOTICE OF PESTICIDE:

☒ Registration

☐ Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Chemsico  
Division of United Industries Corp.  
P.O. Box 142642  
St. Louis, MO 63114-0642

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following labeling changes before you release the product for shipment:
  - a. Revise the EPA Registration Number to read: "EPA Registration No. 9688-250"

Signature of Approving Official:

*George LaRocca*

George LaRocca  
Product Manager (RM 13)  
Insecticide Branch  
Registration Division (MC 7505P)

Date:

February 15, 2007

- b. Submit to the Agency, confirmatory data from two additional geographically separated areas within one year, to support the claim "*3 months [12 weeks] fire ants control*". This claim was conditionally accepted for the initial registration of the me-too product, 9688-232.
  - c. The claim "*New*" is allowed on the labeling during the first 6 months of the product on the market.
- 3. Submit to the Agency, data on one year storage stability testing (830.6317), conducted concurrently with the corrosion characteristics study (830-6320) at 0, 3, 6, 9 and 12 months of warehouse storage.
  - 4. Submit two (2) copies of the final printed label bearing the above stated revisions prior to releasing this product for sale.

Please note that we have agreed to bridge the dermal sensitization study from Lambda-cyhalothrin to Gamma-cyhalothrin for this decision only. For future registrations, please use the preferred LLNA assay using the appropriate isomer.

If you fail to comply with the above stated conditions, this registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A copy of the stamped label is enclosed for your records. If you have any questions concerning this action, please contact Dr. B. A. Akinlosotu at (703) 605-0653.

Enclosure

# CHEMSICO

## INSECTICIDE

### GRANULES 5G

For outdoor use around the home only.

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:**

**FEB 15 2007**

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
9688-250**

Active Ingredient:  
Gamma-Cyhalothrin ..... 0.05%  
Other Ingredients ..... 99.95%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION.** See back for additional precautionary statements.

Net Wt 10 lb (4.5 kg)

#### OPTIONAL PRODUCT FACT BOX

##### PRODUCT FACTS

###### **What it Does:**

Helps protect your home from invading Ants, except Carpenter and Pharaoh Ants. Also Kills Crickets, Fire Ants, Chinch Bugs, Armyworms (Fall and Yellow-striped), Billbugs, Cutworms, Earwigs, Fleas, Roaches (German & American), Grubs, Sod webworms, European Crane Flies, Ticks and other listed insects

###### **Where to Use: (icon outdoors)**

Outdoors, on Lawns and as a Band Treatment around House Foundation

###### **Questions & Comments: (icon phone) (icon computer)**

Call 1-800-332-5553 or visit our website at [www.xxx.com](http://www.xxx.com)

**STOP. READ ENTIRE LABEL BEFORE USE.**

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.



Keep children and pets off treated area until product has been watered in and lawn is dry.

In New York State, this product may not be applied to lawns within 100 ft of a coastal marsh, or stream that drains directly into a coastal marsh.

#### **Three Easy Steps to Use this Product**

**Step #1:** Determine size of the job, measure the area to be treated.

**Step #2:** Use spreader setting chart to determine appropriate setting for your spreader.

**Step #3:** Treat as directed in rate chart. Thorough coverage is important. Water in granules immediately after application.

#### **NOTE:**

- Do not apply more than six (6) times per year per location at low use rate.
- Do not apply more than three (3) times per year per location at high use rate.
- Do not allow product to run off from target site or apply within 24 hours of rain

377

## Spreader Settings for Overall Lawn Application

Spreader Make and Model	0.8 lb/ 1000 sq ft	1.2 lb/ 1000 sq ft	2 lb/ 1000 sq ft
<b>CYCLONE</b>			
Rotary	XX	XX	XX
<b>K-GRO</b>			
Rotary	XX	XX	XX
Drop	XX	XX	XX
<b>REPUBLIC</b>			
EZ Drop #530	XX	XX	XX
EZ Drop #540	XX	XX	XX
SpeedyGreen 2000	XX	XX	XX
SpeedyGreen 3000	XX	XX	XX
AccuGreen 1000	XX	XX	XX
AccuGreen 2000	XX	XX	XX
AccuGreen 3000	XX	XX	XX
Drop	XX	XX	XX
<b>SEARS</b>			
Rotary	XX	XX	XX
Drop	XX	XX	XX
<b>EARTHWAY</b>			
Rotary	XX	XX	XX
<b>PRECISION</b>			
Rotary (#S850)	XX	XX	XX
<b>RED DEVIL</b>			
Rotary	XX	XX	XX
<b>TRUE TEMPER</b>			
Rotary	XX	XX	XX
Rotary	XX	XX	XX

Note: The spreader settings listed above are approximate. Accurately weigh a few pounds into your spreader and apply to a measured area. Then adjust spreader setting if necessary, in order to assure correct rate of application.

Treat the following pests during the months indicated. Make no more than 6 applications per year at low use rate or 3 times for highest use rate.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
				Billbugs				Grubs			
				Dung beetle grubs							
				Hyperodes weevils							
Treat Ants (except Carpenter and Pharaoh Ants) and other insects when they first appear or you notice lawn damage.											

487

## DIRECTIONS FOR APPLYING CHEMSICO LAWN GRANULES L

Treatment Areas	Pests	How To Use	Use Rate
<i>Band Treatment Around House Foundation</i>	Ants*, Fleas, Roaches (German and American), Palmetto bugs, Water bugs, Millipedes, Mites, Silverfish, Sowbugs (Pillbugs), Crickets, Earwigs	These pests are commonly found around or near foundations of houses as well as in lawns. Certain of these pests may enter houses. Apply a 3 to 5 foot band of granules next to the house foundation. Distribute granules uniformly. Water lightly immediately after application.	Apply at the rate of 0.8 lb per 1000 sq ft (an area 5' x 200')
<i>Overall Lawn Application</i>	Ants*, Armyworms (Fall & Yellow-striped), European Crane Flies, Crickets, Cutworms, Earwigs, Fleas, Lawn moths (sod webworms), Grasshoppers, Japanese beetle (adults), Pillbugs, Spittle bugs, Mites, Green June Beetles, Leafhoppers, Millipedes, Springtails and Ticks (including Ticks which may transmit Lyme Disease).	Apply with a fertilizer spreader. See spreader setting chart (on the side of bag). Apply when grass is dry. Water lawn lightly immediately after application.  <b>For season long [up to 3 month] control of fire ants, apply at higher use rate.</b>	Apply at the rate of 0.8 lb per 1000 sq ft (an area 20' by 50')  <b>For season long control of Fire Ants apply at the rate of 2 lb per 1000 sq ft (an area 20' x 50')</b>
	Billbugs, Grubs (Japanese beetle grubs, Green June Beetle Grubs), <i>Ataenius spretulus</i> (dung beetles), Hyperodes Weevils, Mole Crickets, Chinch bugs	Immediately water grass thoroughly after application. <i>For billbug control</i> , apply when activity is first observed or when chewed or brown grass indicates damage from these insects. <i>For grub control</i> , except dung beetle, treat any time between late July and early October. <i>For dung beetle grub control</i> , apply in spring or early summer when damage is first noticed. Water grass thoroughly with ¼ to ½ inch. of water immediately after application. Treat again in late summer or early fall if a second generation occurs.	Apply 1.2 lb per 1000 sq ft of lawn.
<i>Spot Treatment</i>	Ants*	Water lightly immediately after application	Apply 0.5 teaspoons over and around each anthill.

\*Ants (Except Carpenter and Pharaoh): Argentine, Southern, Field, Allegheny Mound, Cornfield, Honey, Pavement, Red Imported Fire Ant, Nuisance

## OPTIONAL DIRECTIONS FOR BAND TREATMENT

### OPTION A

#### BAND TREATMENT AROUND HOUSE

##### General Directions

The following pests are commonly found around or near foundations of houses as well as in lawns. Some of these pests may enter the home. Apply a 3 to 5 foot band of granules next to the house's foundation.

##### INSECTS:

Ants (except Carpenter and Pharaoh), Mites, Crickets, Earwigs, Fleas, roaches (German & American), Palmetto bugs, water bugs Millipedes, Sowbugs (Pillbugs)

##### RATE:

1.25 oz for each 100 sq ft area (5' by 20').

##### HOW TO USE:

Distribute granules evenly. Water lightly immediately after application.

#### SPOT TREATMENT FOR ANTS

(Except Carpenter and Pharaoh Ants)

##### RATE:

Apply 0.5 teaspoons over and around each anthill.

##### HOW TO USE:

Water lightly immediately after application.

### OPTION B

#### BAND TREATMENT AROUND HOUSE

1. Chemsico Insecticide Granules 5G kills ants (except Carpenter and Pharaoh), as well as fleas, mites, crickets, earwigs, millipedes, roaches (German & American), Palmetto bugs, water bugs, sowbugs (Pillbugs), silverfish, ticks (including ticks which may transmit Lyme Disease) and other listed pests.
2. Break the seal and open the pop-top cap.
3. Evenly sprinkle granules in a 3 to 5 foot wide band along the foundation of your home. Granules should be spaced like the ones pictured below (show picture). Use rate = 0.8 lb per 1000 sq ft (an area 5' x 200') or 1.25 oz for each 100 sq ft (an area 5' x 20').
4. Gently water treated areas.

#### USE TIPS

1. Try to get even coverage throughout your "band".
2. Reapply after hard rains to areas where down spouts empty.

#### SPOT TREATMENT FOR ANTS

(Except Carpenter and Pharaoh)

1. Evenly sprinkle granules over and around each anthill.
2. Apply (0.5 teaspoons) per anthill. [(NOTE: This package will effectively treat 64 anthills.) (The note is for a 2 lb package.)]
3. Gently water treated areas immediately after application.

#### STORAGE AND DISPOSAL

**Storage:** Reclose container tightly after each use. Store in a cool, dry area which is inaccessible to children and pets. **Disposal: If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

#### PRECAUTIONARY STATEMENTS

##### Hazards to Humans and Domestic Animals

**CAUTION.** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Food utensils such as spoons or measuring cups must not be used for food purposes after use in measuring pesticides.

##### First Aid

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice.

Have the product container or label with you when calling a Poison Control Center, doctor, or going for treatment. You may also contact 1-800-332-5553 for emergency medical treatment information.

##### Environmental Hazards

This product is highly toxic to fish and aquatic invertebrates. Do not apply directly to water.

**NOTICE:** Buyer assumes all responsibility for safety and use not in accordance with directions.

[\*If you are not satisfied with this product for any reason send your written request for a refund to the address below; together with the original dated store receipt showing the price you paid. Please allow 6-8 weeks for processing.]

**[Questions or comments? Call 1-800-332-5553 or visit our website.]**

Made in the USA for  
Chemsico, Division of United Industries Corporation  
P.O. Box 142642, St. Louis, MO 63114-0642

EPA Reg. No. 9688-

EPA Est. No. 9688-MO-1

©2006

## OPTIONAL MARKETING CLAIMS

[Works within [24] hours (no waiting for weeks) • Ready-to-use Granules • \*Guaranteed [Results or Your Money Back] • New! • Re-sealable bag • Kills in 24 hours • New Exclusive Formula • Low odor • No odor • Kills the mound [colony] • Starts to kill in minutes • Starts to kill in hours • Kills Ants (except Carpenter and Pharaoh), Crickets, Fleas, Grubs, Ticks [and other listed pests] • Kills Grubs [and lawn invading [damaging] Pests] • Kills on Contact • Controls many destructive lawn insects, including grubs • Kills Mole Crickets and Chinch Bugs • Kills Fire Ants • White grub control • Effective grub control • Kills insects above and below the ground [surface] • Use on lawns • Kills over 40 types of insects [insect types][as listed] • Kills 43 types of [lawn invading] [lawn damaging] insects [as listed] • Covers [treats] up to 12,500 sq ft • 2X [2.5X] more coverage than standard 5,000 sq ft bags • Lasts for up to 3 months [12 weeks][all season long] against Red Imported Fire Ants • Keeps on Killing Red Imported Fire Ants for up to 3 months [12 weeks][all season long] • Protects your yard from Red Imported Fire Ants for up to 3 months [12 weeks] [all season long] • Kills fire ants and prevents new mound formation for up to 3 months [12 weeks][all season long] • Kills [Works on][Effective control of [against]] all types of listed lawn invading [lawn damaging] insects [pests] • Fast acting plus season long killing power

[control] against Red Imported Fire Ants- Guaranteed! • Season long control against Red Imported Fire Ants • Starts to work immediately [in minutes], keeps working [lasts] all season [long] against Red Imported Fire Ants • See results in minutes [in hours] [overnight] • Limits new mound formation [mound movement] • [One application] lasts all season [long] to control against Red Imported Fire Ants • New, Improved Formula Lasts All Season [Long] To Control Against Red Imported Fire Ants • [One Application] Lasts All Summer [Long] To Control Against Red Imported Fire Ants • Easy to Apply • Apply Once for Season, Long Control Against Red Imported Fire Ants]





## Memorandum

Date: 11 / 16 / 07

To: PM 13, Regulatory Manager

From: Information Services Branch, ITRMD

Your receipt of this data submission is not an indication that MRIDs for the enclosed studies have been posted to OPPIN.

**We expect that it will be approximately 5 days from the above date before the study-level data is available in OPPIN.**

If you have any questions about this process, please contact Teresa Downs (305-5363).

This is a: ☒ fully accepted submission  
☐ partially accepted submission  
☐ rejected submission



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

November 15, 2007

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

CHEMSICO  
DIV OF UNITED INDUSTRIES CORP  
PO Box 142642  
ST LOUIS, MO 63114-0642

Report of Analysis for Compliance with PR Notice 86-5

Thank you for your submittal of 13-NOV-07. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 86-5. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.

Administrative

Materials

# Chemsico

Division of United Industries  
P.O. Box 142642  
St. Louis, MO 63114-0642

November 05, 2007

U.S. Environmental Protection Agency  
Office of Pesticide Programs (7504P)  
Document Processing Desk  
Room S4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202-4501

Attention: Mr. George LaRocca  
Product Manager 13

Subject: **Submission of Storage Stability/Corrosion Characteristics Study  
as Condition of Registration  
Chemsico Insecticide Granules 5G  
EPA Reg. No. 9688-250**

Dear Mr. LaRocca:

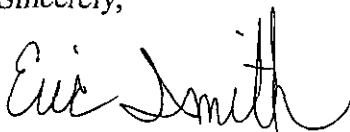
Enclosed please find a one-year storage stability/corrosion characteristics study for the subject product, as requested in your Notice of Registration dated February 15, 2007. Three copies of the following study, bound separately, are enclosed:

47279801

*Container Stability Determination, Real Time and Accelerated Chemical Stability of Chemsico Insecticide Granules 5G, EPA Reg. No. 9688-250, Product Properties Test Guidelines, Group B – Physical/Chemical Properties, OPPTS 830.6317 – Storage Stability, OPPTS 830.6320 – Corrosion Characteristics, United Industries Corp., Laboratory Study No. 05-08-02-UI*

Please call me at 314-683-2455 if you have questions or need further information. Thank you very much for your attention to this matter.

Sincerely,



Eric D. Smith  
Regulatory Affairs Specialist

# Chemsico

Division of United Industries  
P.O. Box 142642  
St. Louis, MO 63114-0642

November 05, 2007

U.S. Environmental Protection Agency  
Office of Pesticide Programs (7504P)  
Document Processing Desk  
Room S4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202-4501

Attention: Mr. George LaRocca  
Product Manager 13

Subject: **Submission of Storage Stability/Corrosion Characteristics Study  
as Condition of Registration  
Chemsico Insecticide Granules 5G  
EPA Reg. No. 9688-250**

Dear Mr. LaRocca:

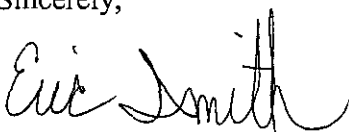
Enclosed please find a one-year storage stability/corrosion characteristics study for the subject product, as requested in your Notice of Registration dated February 15, 2007. Three copies of the following study, bound separately, are enclosed:

47279801

*Container Stability Determination, Real Time and Accelerated Chemical Stability of Chemsico Insecticide Granules 5G, EPA Reg. No. 9688-250, Product Properties Test Guidelines, Group B – Physical/Chemical Properties, OPPTS 830.6317 – Storage Stability, OPPTS 830.6320 – Corrosion Characteristics, United Industries Corp., Laboratory Study No. 05-08-02-UI*

Please call me at 314-683-2455 if you have questions or need further information. Thank you very much for your attention to this matter.

Sincerely,



Eric D. Smith  
Regulatory Affairs Specialist

Decision Seq: 986614		Action Code: 570, CONDITIONAL REGISTRATION FOLLOW-UP DATA REQUIRE...		Decision Status	
FFS Start Date:		Tentative Ind: No		Tracking	
Due Date: 02-Mar-2008		FFS Original Decision:		Create Resubmission	
OPP Target Due Dt:		FFS EUP Decision:		FFS Letters	
Negotiated Due Dt:		FFS Sect3 Decision:		Waiver Documentation	
Registrant: tid		Start/Stop Clock: FGPA Clock:			
Response Due Date:		Days Elapsed:			
Current Status: PENDING (28-Nov-2007)					
Decision Comments		Payment		Unmatched Payments	
Meetings & Milestones		FFS Information		FFS Negotiated Due Dates	
Decision Ownership		Receipts		OPP Target Due Date	
		Data Package		Reduced Risk	
Receipts		Staff Member		Reg/DCI Number	
Submission Due Dt		Response			
S: 819909		Quarles, Patricia		9688-250	
02-Mar-2008		PENDING			
storage stability & corrosion characteristics					
1295 NOV 17 2008					
1150					
Regina Foushe		EPA-PRISM		9:03 AM	

original in file

**Receipt for Section 3**

S: 819909      Resubmission: ☐ Yes ☒ No

Regulatory Type: Product Registration - Section 3      Fee for Service: ☐ Yes ☒ No

Application Type: Miscellaneous Receipt      Billable: ☐ Yes ☒ No

Company: 9688 CHEMSICO      ☒ V

Risk Manager: Registration Division, Risk Management Team 13

Product #: 9688-250      Product Name: CHEMSICO INSECTICIDE GRANULES 5G

Override #:

Me Too Section 3:       Me Too Product Name:

Application Date: 05-Nov-2007 ☒ id      OPP Rec'd Date: 13-Nov-2007 ☒ id

Front End Date: 14-Nov-2007 ☒ id      Risk Manager Send Date: 14-Nov-2007 ☒ id

FFS Due Date:       Negotiated Due Date:

OPP Target Date:

Fast Track: ☐      New Ingredient: ☐

Receipt Description: storage stability & corrosion characteristics

Form A: ☐      Signature Date:       Form B: ☐      Signature Date:

New Ingredient Request Date:

New Ingredient Received Date:

Receipt Content: Study

Print Letter

Enter More Information

Tracking

RQ - 570 - chem

# DATA PACKAGE BEAN SHEET

Date: 04-Dec-2007

Page 1 of 2

Decision #: 386614

DP #: (347129)

NON PRIA

Parent DP#:

## \*\*\* Registration Information \*\*\*

Registration: 9688-250 - CHEMSICO INSECTICIDE GRANULES 5G

Company: 9688 - CHEMSICO

Risk Manager: RM 13 - George Larocca - (703) 305-6100 Room# PY1 S-7219

Risk Manager Reviewer: Patricia Quarles PQUARLES

Sent Date: 14-Nov-2007

Calculated Due Date: 02-Mar-2008

Edited Due Date: \_\_\_\_\_

Type of Registration: Product Registration - Section 3

Action Desc: (570) CONDITIONAL REGISTRATION FOLLOW-UP; DATA REQUIRED; REQUIRES RD REVII

Ingredients: 128807, Cyclopropanecarboxylic acid, 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2, 2-dimethyl-, cya

570  
#22682

## \*\*\* Data Package Information \*\*\*

Expedite: ☐ Yes ☒ No

Date Sent: 04-Dec-2007

Due Back: \_\_\_\_\_

DP Ingredient: 128807, Cyclopropanecarboxylic acid, 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2, 2-dimethyl-, cya

DP Title: \_\_\_\_\_

CSF Included: ☐ Yes ☒ No

Label Included: ☐ Yes ☒ No

Parent DP #: \_\_\_\_\_

### Assigned To

Date In

Date Out

Organization: RD / TRB

Last Possible Science Due Date: 23-Dec-2007

Team Name: CLEM

Science Due Date: \_\_\_\_\_

Reviewer Name: \_\_\_\_\_

Sub Data Package Due Date: \_\_\_\_\_

Contractor Name: \_\_\_\_\_

## \*\*\* Studies Sent for Review \*\*\*

Printed on Page 2

## \*\*\* Additional Data Package for this Decision \*\*\*

No Additional Data Packages

## \*\*\* Data Package Instructions \*\*\*

Please review stability/storage & corrosive characteristic study as a condition or registration.

Thanks Pat

11-19-07



MRID	MRID Status	Citation Reference	Guideline
47279801		Schoenberg, P. (2006) Container Stability Determination Real Time and Accelerated Chemical Stability Chemsico Insecticide Granules 5G . Project Number: 05/08/02/UI. Unpublished study prepared by United Industries Corp. 10 p.	830.6317/Storage stability of product
47279801		Schoenberg, P. (2006) Container Stability Determination Real Time and Accelerated Chemical Stability Chemsico Insecticide Granules 5G . Project Number: 05/08/02/UI. Unpublished study prepared by United Industries Corp. 10 p.	830.6320/Corrosion characteristics



United States Environmental Protection Agency  
Office of Pesticide Programs (H7505C)  
401 M Street SW  
Washington, DC 20460

# Notice of Supplemental Distribution of a Registered Pesticide Product

## Instructions

After a registrant has obtained final registration for the basic product, the registrant may then supplementally distribute his/her product. One form must be submitted for each distributor product and must be signed by the Distributor involved. The basic registration number and the distributor company number must be shown.

If a registrant has a potential distributor who does not have a company number assigned, she/he should have the distributor apply, on letterhead stationary, to the Registration Division to have a number assigned prior to submitting this form to the agency.

This notice of Supplemental Distribution must be submitted by the basic registrant. The completed form must have the concurrence and signature of both the registrant and the distributor.

EPA Registration Number of Product <b>9688-250</b>	Distributor Company Number <b>8845</b>
---	---

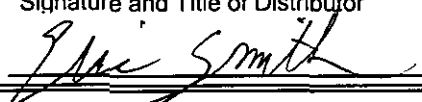
**Note: Do not submit distributor product labels**

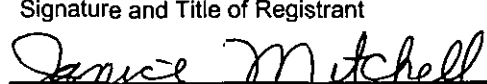
Name of Registered Product (basic product name accepted by EPA) <b>Chemsico Insecticide Granules 5G</b>	Distributor Product Name <b>Spectracide Triazicide Insect Killer Once &amp; Done! Granules</b>
--	---

Name and Address of Distributor (Type; include ZIP code) <b>Spectrum Group Division of United Industries Corp P O Box 142642 St. Louis, MO 63114-0642</b>	
--	--

## Read All Conditions Before Signing

1. The distributor product must have the same composition as the basic product.
2. The distributor product must be manufactured and packaged by the same person who manufactures and packages the registered product.
3. The labelling for the distributor product must bear the same claims as the basic product, provided, however, that specific claims may be deleted if by doing so, no other changes to the label are necessary.
4. The product must remain in the manufacturer's unbroken container.
5. The label must bear the EPA registration number of the basic product, followed by a hyphen and the distributor's company number.
6. Distributor product labels must bear the name and address of the distributor qualified by such terms as "packed for...", "distributed by..."; or "sold by..." to show that the name is not that of the manufacturer.
7. All conditions of the basic registration apply equally to distributor products. It is the responsibility of the basic registrant to see that all distributor labeling is kept in compliance with requirements placed on the basic product.

<b>Distributor</b>	
We intend to market our product under the Distributor Product Name specified above, subject to the conditions specified on this Notice.	
Signature and Title of Distributor  <b>Eric Smith Regulatory Affairs Manager</b>	Date <b>9/17/2008</b>

<b>Registrant</b>	
I agree that the distributor named above may distribute and sell the Distributor Product specified above, subject to the conditions specified on this Notice.	
Signature and Title of Registrant  <b>Janice Mitchell State Regulatory Assistant</b>	Date <b>9/17/2008</b>



United States Environmental Protection Agency  
Office of Pesticide Programs (H7505C)  
401 M Street SW  
Washington, DC 20460

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If a registrant has a potential distributor who does not have a company number assigned, she/he should have the distributor apply, on letterhead stationary, to the Registration Division to have a number assigned prior to submitting this form to the agency.

This notice of Supplemental Distribution must be submitted by the basic registrant. The completed form must have the concurrence and signature of both the registrant and the distributor.

EPA Registration Number of Product  
**9688-250**

Distributor Company Number  
**8845**

**Note: Do not submit distributor product labels**

Name of Registered Product (basic product name accepted by EPA)  
**Chemsico Insecticide Granules 5G**

Distributor Product Name  
**Spectracide Triazicide Once & Done! Insect Killer Granule 5  
for Lawn & Landscape 2**

Name and Address of Distributor (Type; include ZIP code)  
**Spectrum Group  
Division of United Industries Corp.  
PO Box 142642  
St. Louis, MO 63114-0642**

## Read All Conditions Before Signing

1. The distributor product must have the same composition as the basic product.
2. The distributor product must be manufactured and packaged by the same person who manufactures and packages the registered product.
3. The labelling for the distributor product must bear the same claims as the basic product, provided, however, that specific claims may be deleted if by doing so, no other changes to the label are necessary.
4. The product must remain in the manufacturer's unbroken container.
5. The label must bear the EPA registration number of the basic product, followed by a hyphen and the distributor's company number.
6. Distributor product labels must bear the name and address of the distributor qualified by such terms as "packed for...", "distributed by..." or "sold by..." to show that the name is not that of the manufacturer.
7. All conditions of the basic registration apply equally to distributor products. It is the responsibility of the basic registrant to see that all distributor labeling is kept in compliance with requirements placed on the basic product.

## Distributor

We intend to market our product under the Distributor Product Name specified above, subject to the conditions specified on this Notice.

Signature and Title of Distributor

**Kelly Clendenny  
Manager, State Regulatory Pesticide Affairs**

Date

**5/3/2007**

## Registrant

I agree that the distributor named above may distribute and sell the Distributor Product specified above, subject to the conditions specified on this Notice.

Signature and Title of Registrant

**Eric Smith  
Regulatory Affairs Specialist**

Date

**5/3/2007**

# Material to be added to a Mini-Jacket (in the case where an e-Jacket exists)

Reg. No. 9688-250

**Send to SIG:** check box ☐

This material is:

- ☐ New stamped-accepted label
- ☐ New CSF
- ☐ Notification
- ☒ Final Printed Label
- ☐ Other: \_\_\_\_\_

**Instructions:** Attach this notice on top of the material. It must be clipped all together and there should be **NO STAPLES** in the material. Then give the material with this coversheet to staff in the Information Services Center (Room 230).

**Reviewer's Name:** BONAVENTURE AKINLOSOTU

**Phone:** 703-605-0653 **Division:** RD/IB

**Date:** March 21, 1007

Current as of Wednesday, March 01, 2006



Division of United Industries Corporation

8464 Chapin Industrial Dr.  
St. Louis, MO 63114  
314-427-4886

March 09, 2007

U.S. Environmental Protection Agency  
Office of Pesticide Programs (7505P)  
Document Processing Desk (FPL)  
Room S4900, One Potomac Yard  
2777 South Crystal Drive  
Arlington, VA 22202-4501

Attention: Mr. George LaRocca  
Product Manager 13  
Insecticide Branch

**Subject: Final Printed Labeling in Response To The Agency's  
Acceptance Letter dated February 15, 2007  
Chemsico Insecticide Granules 5G  
EPA File Symbol: 9688-250**

Dear Mr. LaRocca:

Enclosed please find our submission of the final printed labeling for the subject product in response to the Agency's acceptance letter dated February 15, 2007 (copy enclosed). We have made the changes specified in the comment letter. As requested, two copies of the final printed labeling are enclosed.

If you have any questions concerning this submission, please feel free to call me at 314-683-2455, or via email at: [eric.smith@spectrumbrands.com](mailto:eric.smith@spectrumbrands.com).

Sincerely,

Eric D. Smith  
Regulatory Affairs Specialist  
Chemsico, Division of United Industries Corp.

51



United States Environmental Protection Agency  
Office of Pesticide Programs (H7505C)  
Washington, DC 20460

# Application for Pesticide:

☐  
☒

Registration  
Amendment  
Other

OPP Identifier Number

## Section I

1. Company/Product Number <b>9688-250</b>	2. Product Manager <b>G. LaRocca</b>	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>Chemsico Insecticide Granules 5G</b>	PM# <b>13</b>	
5. Name and Address of Applicant (include ZIP Code) <b>CHEMSICO, Div. Of United Industries Corp. P.O. Box 15842 St. Louis, MO 63114</b> <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labelling to:  EPA Reg. No. _____ Product Name _____

## Section II

<input type="checkbox"/> Amendment - Explain below	<input checked="" type="checkbox"/> Final printed label in response to Agency letter dated February 15, 2007
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "ME TOO" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submission of final printed labeling per Agency letter dated February 15, 2007.

## Section III

1. Material In Which This Product Will Be Packaged:			
Child-Resistant Packaging <input type="checkbox"/> Yes * <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water-Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "YES," Unit package wgt	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container	
5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product		6. Manner in Which Label Is Affixed To Product <input type="checkbox"/> Lithographed <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled	

## Section IV

1. Contact Point (Complete items directly below for identification of the individual to be contacted, if necessary, to process this application)		
Name <b>Eric D. Smith</b>	Title <b>Regulatory Affairs Specialist</b>	Telephone No. (include Area Code) <b>314-683-2455</b>
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title <b>Regulatory Affairs Specialist</b>	
4. Typed Name <b>Eric D. Smith</b>	5. Date <b>March 9, 2007</b>	

# CHEMSICO

## INSECTICIDE

### GRANULES 5G

For outdoor use around the home only.

NOT REVIEWED  
In Accordance with PR Notice 82-2  
Based on Draft Labeling Dated  
2-15-07

Active Ingredient: 0.05%  
Gamma-Cyhalothrin  
Other Ingredients 99.95%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION.** See back for additional precautionary statements.

Net Wt. 10 lb. (4.5 kg)

#### OPTIONAL PRODUCT FACT BOX

##### PRODUCT FACTS

###### What it Does:

Helps protect your home from invading Ants, except Carpenter and Pharaoh Ants. Also Kills Crickets, Fire Ants, Chinch Bugs, Armyworms (Fall and Yellow-striped), Billbugs, Cutworms, Earwigs, Fleas, Roaches (German & American), Grubs, Sod webworms, European Crane Flies, Ticks and other listed insects

###### Where to Use: (icon outdoors)

Outdoors, on Lawns and as a Band Treatment around House Foundation

###### Questions & Comments: (icon phone) (icon computer)

Call 1-800-332-5553 or visit our website at [www.xxx.com](http://www.xxx.com)

#### STOP. READ ENTIRE LABEL BEFORE USE.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.



Keep children and pets off treated area until product has been watered in and lawn is dry.

In New York State, this product may not be applied to lawns within 100 ft of a coastal marsh, or stream that drains directly into a coastal marsh.

#### Three Easy Steps to Use this Product

Step #1: Determine size of the job, measure the area to be treated.

Step #2: Use spreader setting chart to determine appropriate setting for your spreader.

Step #3: Treat as directed in rate chart. Thorough coverage is important. Water in granules immediately after application.

#### NOTE:

- Do not apply more than six (6) times per year per location at low use rate.
- Do not apply more than three (3) times per year per location at high use rate.
- Do not allow product to run off from target site or apply within 24 hours of rain

## Spreader Settings for Overall Lawn Application

Spreader Make and Model	0.8 lb/ 1000 sq ft	1.2 lb/ 1000 sq ft	2 lb/ 1000 sq ft
<b>CYCLONE</b>			
Rotary	xx	xx	xx
<b>K-GRO</b>			
Rotary	xx	xx	xx
Drop	xx	xx	xx
<b>REPUBLIC</b>			
EZ Drop #530	xx	xx	xx
EZ Drop #540	xx	xx	xx
SpeedyGreen 2000	xx	xx	xx
SpeedyGreen 3000	xx	xx	xx
AccuGreen 1000	xx	xx	xx
AccuGreen 2000	xx	xx	xx
AccuGreen 3000	xx	xx	xx
Drop	xx	xx	xx
<b>SEARS</b>			
Rotary	xx	xx	xx
Drop	xx	xx	xx
<b>EARTHWAY</b>			
Rotary	xx	xx	xx
<b>PRECISION</b>			
Rotary (#S850)	xx	xx	xx
<b>RED DEVIL</b>			
Rotary	xx	xx	xx
<b>TRUE TEMPER</b>			
Rotary	xx	xx	xx
Rotary	xx	xx	xx

Note: The spreader settings listed above are approximate. Accurately weigh a few pounds into your spreader and apply to a measured area. Then adjust spreader setting if necessary, in order to assure correct rate of application.

Treat the following pests during the months indicated. Make no more than 6 applications per year at low use rate or 3 times for highest use rate.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
				Billbugs			Grubs				
				Dung beetle grubs							
				Hyperodes weevils							
Treat Ants (except Carpenter and Pharaoh Ants) and other insects when they first appear or you notice lawn damage.											

[Bracketed Text] = Optional language



## DIRECTIONS FOR APPLYING CHEMSICO LAWN GRANULES L

Treatment Areas	Pests	How To Use	Use Rate
<i>Band Treatment Around House Foundation</i>	Ants*, Fleas, Roaches (German and American), Palmetto bugs, Water bugs, Millipedes, Mites, Silverfish, Sowbugs (Pillbugs), Crickets, Earwigs	These pests are commonly found around or near foundations of houses as well as in lawns. Certain of these pests may enter houses. Apply a 3 to 5 foot band of granules next to the house foundation. Distribute granules uniformly. Water lightly immediately after application.	Apply at the rate of 0.8 lb per 1000 sq ft (an area 5' x 200')
<i>Overall Lawn Application</i>	Ants*, Armyworms (Fall & Yellow-striped), European Crane Flies, Crickets, Cutworms, Earwigs, Fleas, Lawn moths (sod webworms), Grasshoppers, Japanese beetle (adults), Pillbugs, Spittle bugs, Mites, Green June Beetles, Leafhoppers, Millipedes, Springtails and Ticks (including Ticks which may transmit Lyme Disease).	Apply with a fertilizer spreader. See spreader setting chart [on the side of bag]. Apply when grass is dry. Water lawn lightly immediately after application.  <b>For season long [up to 3 month] control of fire ants, apply at higher use rate.</b>	Apply at the rate of 0.8 lb per 1000 sq ft (an area 20' by 50')  <b>For season long control of Fire Ants apply at the rate of 2 lb per 1000 sq ft (an area 20' x 50')</b>
	Billbugs, Grubs (Japanese beetle grubs, Green June Beetle Grubs), <i>Ataenius spretulus</i> (dung beetles), Hyperodes Weevils, Mole Crickets, Chinch bugs	Immediately water grass thoroughly after application. <i>For billbug control</i> , apply when activity is first observed or when chewed or brown grass indicates damage from these insects. <i>For grub control</i> , except dung beetle, treat any time between late July and early October. <i>For dung beetle grub control</i> , apply in spring or early summer when damage is first noticed. Water grass thoroughly with ¼ to ½ inch of water immediately after application. Treat again in late summer or early fall if a second generation occurs.	Apply 1.2 lb per 1000 sq ft of lawn.
<i>Spot Treatment</i>	Ants*	Water lightly immediately after application	Apply 0.5 teaspoons over and around each anthill.

\*Ants (Except Carpenter and Pharaoh): Argentine, Southern, Field, Allegheny Mound, Cornfield, Honey, Pavement, Red Imported Fire Ant, Nuisance

0.03

0.01

[Bracketed Text] = Optional language

Page 3 of 5

## OPTIONAL DIRECTIONS FOR BAND TREATMENT

### OPTION A

#### BAND TREATMENT AROUND HOUSE

##### General Directions

The following pests are commonly found around or near foundations of houses as well as in lawns. Some of these pests may enter the home. Apply a 3 to 5 foot band of granules next to the house's foundation.

##### INSECTS:

Ants (except Carpenter and Pharaoh), Mites, Crickets, Earwigs, Fleas, roaches (German & American), Palmetto bugs, water bugs Millipedes, Sowbugs (Pillbugs)

##### RATE:

1.25 oz for each 100 sq ft area (5' by 20').

##### HOW TO USE:

Distribute granules evenly. Water lightly immediately after application.

#### SPOT TREATMENT FOR ANTS

(Except Carpenter and Pharaoh Ants)

##### RATE:

Apply 0.5 teaspoons over and around each anthill.

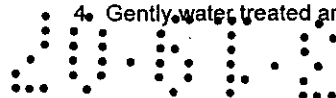
##### HOW TO USE:

Water lightly immediately after application.

### OPTION B

#### BAND TREATMENT AROUND HOUSE

1. Chemsico Insecticide Granules 5G kills ants (except Carpenter and Pharaoh), as well as fleas, mites, crickets, earwigs, millipedes, roaches (German & American), Palmetto bugs, water bugs, sowbugs (Pillbugs), silverfish, ticks (including ticks which may transmit Lyme Disease) and other listed pests.
2. Break the seal and open the pop-top cap.
3. ~~Evenly~~ sprinkle granules in a 3 to 5 foot wide band along the foundation of your home. Granules should be spaced liked the ones pictured below (show picture). Use rate ~~of 0.8 lb~~ per 1000 sq ft (an area 5' x 200') or 1.25 oz for each 100 sq ft (an area 5' x 20').
4. Gently water treated areas.



#### USE TIPS

1. Try to get even coverage throughout your "band".
2. Reapply after hard rains to areas where down spouts empty.

#### SPOT TREATMENT FOR ANTS

(Except Carpenter and Pharaoh)

1. Evenly sprinkle granules over and around each anthill.
2. Apply (0.5 teaspoons) per anthill. [(NOTE: This package will effectively treat 64 anthills.) (The note is for a 2 lb package.)]
3. Gently water treated areas immediately after application.

## STORAGE AND DISPOSAL

**Storage:** Reclose container tightly after each use. Store in a cool, dry area which is inaccessible to children and pets. **Disposal:** If empty: Do not reuse this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

## PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

**CAUTION.** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Food utensils such as spoons or measuring cups must not be used for food purposes after use in measuring pesticides.

#### First Aid

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice.

Have the product container or label with you when calling a Poison Control Center, doctor, or going for treatment. You may also contact 1-800-332-5553 for emergency medical treatment information.

#### Environmental Hazards

This product is highly toxic to fish and aquatic invertebrates. Do not apply directly to water.

**NOTICE:** Buyer assumes all responsibility for safety and use not in accordance with directions.

[\*If you are not satisfied with this product for any reason send your written request for a refund to the address below, together with the original dated store receipt showing the price you paid. Please allow 6-8 weeks for processing.]

[Questions or comments? Call 1-800-332-5553 or visit our website.]

Made in the USA for  
Chemsico, Division of United Industries Corporation  
P.O. Box 142642, St. Louis, MO 63114-0642

EPA Reg. No. 9688-250

EPA Est. No. 9688-MO-1

©2006

## OPTIONAL MARKETING CLAIMS

[Works within [24] hours (no waiting for weeks) • Ready-to-use Granules • \*Guaranteed [Results or Your Money Back] • New! • Re-sealable bag • Kills in 24 hours • New Exclusive Formula • Low odor • No odor • Kills the mound [colony] • Starts to kill in minutes • Starts to kill in hours • Kills Ants (except Carpenter and Pharaoh), Crickets, Fleas, Grubs, Ticks [and other listed pests] • Kills Grubs [and lawn invading [damaging] Pests] • Kills on Contact • Controls many destructive lawn insects, including grubs • Kills Mole Crickets and Chinch Bugs • Kills Fire Ants • White grub control • Effective grub control • Kills insects above and below the ground [surface] • Use on lawns • Kills over 40 types of insects [insect types][as listed] • Kills 43 types of [lawn invading] [lawn damaging] insects [as listed] • Covers [treats] up to 12,500 sq ft • 2X [2.5X] more coverage than standard 5,000 sq ft bags • Lasts for up to 3 months [12 weeks][all season long] against Red Imported Fire Ants • Keeps on Killing Red Imported Fire Ants for up to 3 months [12 weeks][all season long] • Protects your yard from Red Imported Fire Ants for up to 3 months [12 weeks] [all season long] • Kills fire ants and prevents new mound formation for up to 3 months [12 weeks][all season long] • Kills [Works on][Effective control of [against]] all types of listed lawn invading [lawn damaging] insects [pests] • Fast acting plus season long killing power

[control] against Red Imported Fire Ants— Guaranteed! • Season long control against Red Imported Fire Ants • Starts to work immediately [in minutes], keeps working [lasts] all season [long] against Red Imported Fire Ants • See results in minutes [in hours] [overnight] • Limits new mound formation [mound movement] • [One application] lasts all season [long] to control against Red Imported Fire Ants • New, Improved Formula Lasts All Season [Long] To Control Against Red Imported Fire Ants • [One Application] Lasts All Summer [Long] To Control Against Red Imported Fire Ants • Easy to Apply • Apply Once for Season Long Control Against Red Imported Fire Ants]

# Material to be added to a Mini-Jacket (in the case where an e-Jacket exists)

Reg. No. 9688-250

**Send to SIG:** check box ☒

This material is:

- ☒ New stamped-accepted label
- ☒ New CSF
- ☐ Notification
- ☐ Final Printed Label
- ☒ Other: New Registration

**Instructions:** Attach this notice on top of the material. It must be clipped all together and there should be NO STAPLES in the material. Then give the material with this coversheet to staff in the Information Services Center (Room 230).

**Reviewer's Name:** B. A. Akinlosotu

**Phone:** 703-605-0653 **Division:** RD/IB

**Date:** February 15, 2007



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
1200 Pennsylvania Avenue NW  
Washington, D.C. 20460

EPA Reg. Number:

9688-250

Date of Issuance:

02/15/07

Term of Issuance:

Conditional

Name of Pesticide Product:

Chemsico Insecticide Granules 5G

**NOTICE OF PESTICIDE:**

☒ Registration

☐ Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (Include ZIP Code):

Chemsico  
Division of United Industries Corp.  
P.O. Box 142642  
St. Louis, MO 63114-0642

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following labeling changes before you release the product for shipment:
  - a. Revise the EPA Registration Number to read: "EPA Registration No. 9688-250"

Signature of Approving Official:

George LaRocca  
Product Manager (RM 13)  
Insecticide Branch  
Registration Division (MC 7505P)

Date:

February 15, 2007

- b. Submit to the Agency, confirmatory data from two additional geographically separated areas within one year, to support the claim "*3 months [12 weeks] fire ants control*". This claim was conditionally accepted for the initial registration of the me-too product, 9688-232.
  - c. The claim "*New*" is allowed on the labeling during the first 6 months of the product on the market.
3. Submit to the Agency, data on one year storage stability testing (830.6317), conducted concurrently with the corrosion characteristics study (830-6320) at 0, 3, 6, 9 and 12 months of warehouse storage.
4. Submit two (2) copies of the final printed label bearing the above stated revisions prior to releasing this product for sale.

Please note that we have agreed to bridge the dermal sensitization study from Lambda-cyhalothrin to Gamma-cyhalothrin for this decision only. For future registrations, please use the preferred LLNA assay using the appropriate isomer.

If you fail to comply with the above stated conditions, this registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A copy of the stamped label is enclosed for your records. If you have any questions concerning this action, please contact Dr. B. A. Akinlosotu at (703) 605-0653.

Enclosure

# CHEMSICO

## INSECTICIDE

### GRANULES 5G

For outdoor use around the home only.

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:**

**FEB 15 2007**

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
9688-250**

**Active Ingredient:**

Gamma-Cyhalothrin ..... 0.05%  
Other Ingredients ..... 99.95%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION.** See back for additional precautionary statements.

Net Wt 10 lb (4.5 kg)

#### OPTIONAL PRODUCT FACT BOX

##### PRODUCT FACTS

**What it Does:**

Helps protect your home from invading Ants, except Carpenter and Pharaoh Ants. Also Kills Crickets, Fire Ants, Chinch Bugs, Armyworms (Fall and Yellow-striped), Billbugs, Cutworms, Earwigs, Fleas, Roaches (German & American), Grubs, Sod webworms, European Crane Flies, Ticks and other listed insects

**Where to Use: (icon outdoors)**

Outdoors, on Lawns and as a Band Treatment around House Foundation

**Questions & Comments: (icon phone) (icon computer)**

Call 1-800-332-5553 or visit our website at [www.xxx.com](http://www.xxx.com)

**STOP. READ ENTIRE LABEL BEFORE USE.**

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.



Keep children and pets off treated area until product has been watered in and lawn is dry.

In New York State, this product may not be applied to lawns within 100 ft of a coastal marsh, or stream that drains directly into a coastal marsh.

#### Three Easy Steps to Use this Product

**Step #1:** Determine size of the job, measure the area to be treated.

**Step #2:** Use spreader setting chart to determine appropriate setting for your spreader.

**Step #3:** Treat as directed in rate chart. Thorough coverage is important. Water in granules immediately after application.

#### NOTE:

- Do not apply more than six (6) times per year per location at low use rate.
- Do not apply more than three (3) times per year per location at high use rate.
- Do not allow product to run off from target site or apply within 24 hours of rain

## Spreader Settings for Overall Lawn Application

Spreader Make and Model	0.8 lb/ 1000 sq ft	1.2 lb/ 1000 sq ft	2 lb/ 1000 sq ft
<b>CYCLONE</b>			
Rotary	xx	xx	xx
<b>K-GRO</b>			
Rotary	xx	xx	xx
Drop	xx	xx	xx
<b>REPUBLIC</b>			
EZ Drop #530	xx	xx	xx
EZ Drop #540	xx	xx	xx
SpeedyGreen 2000	xx	xx	xx
SpeedyGreen 3000	xx	xx	xx
AccuGreen 1000	xx	xx	xx
AccuGreen 2000	xx	xx	xx
AccuGreen 3000	xx	xx	xx
Drop	xx	xx	xx
<b>SEARS</b>			
Rotary	xx	xx	xx
Drop	xx	xx	xx
<b>EARTHWAY</b>			
Rotary	xx	xx	xx
<b>PRECISION</b>			
Rotary (#S850)	xx	xx	xx
<b>RED DEVIL</b>			
Rotary	xx	xx	xx
<b>TRUE TEMPER</b>			
Rotary	xx	xx	xx
Rotary	xx	xx	xx

Note: The spreader settings listed above are approximate. Accurately weigh a few pounds into your spreader and apply to a measured area. Then adjust spreader setting if necessary, in order to assure correct rate of application.

Treat the following pests during the months indicated. Make no more than 6 applications per year at low use rate or 3 times for highest use rate.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
				Billbugs				Grubs			
				Dung beetle grubs							
				Hyperodes weevils							
Treat Ants (except Carpenter and Pharaoh Ants) and other insects when they first appear or you notice lawn damage.											



## DIRECTIONS FOR APPLYING CHEMSICO LAWN GRANULES L

Treatment Areas	Pests	How To Use	Use Rate
<i>Band Treatment Around House Foundation</i>	Ants*, Fleas, Roaches (German and American), Palmetto bugs, Water bugs, Millipedes, Mites, Silverfish, Sowbugs (Pillbugs), Crickets, Earwigs	These pests are commonly found around or near foundations of houses as well as in lawns. Certain of these pests may enter houses. Apply a 3 to 5 foot band of granules next to the house foundation. Distribute granules uniformly. Water lightly immediately after application.	Apply at the rate of 0.8 lb per 1000 sq ft (an area 5' x 200')
<i>Overall Lawn Application</i>	Ants*, Armyworms (Fall & Yellow-striped), European Crane Flies, Crickets, Cutworms, Earwigs, Fleas, Lawn moths (sod webworms), Grasshoppers, Japanese beetle (adults), Pillbugs, Spittle bugs, Mites, Green June Beetles, Leafhoppers, Millipedes, Springtails and Ticks (including Ticks which may transmit Lyme Disease).	Apply with a fertilizer spreader. See spreader setting chart [on the side of bag]. Apply when grass is dry. Water lawn lightly immediately after application.  <b>For season long [up to 3 month] control of fire ants, apply at higher use rate.</b>	Apply at the rate of 0.8 lb per 1000 sq ft (an area 20' by 50')  <b>For season long control of Fire Ants apply at the rate of 2 lb per 1000 sq ft (an area 20' x 50')</b>
	Billbugs, Grubs (Japanese beetle grubs, Green June Beetle Grubs), <i>Ataenius spretulus</i> (dung beetles), Hyperodes Weevils, Mole Crickets, Chinch bugs	Immediately water grass thoroughly after application. <i>For billbug control</i> , apply when activity is first observed or when chewed or brown grass indicates damage from these insects. <i>For grub control</i> , except dung beetle, treat any time between late July and early October. <i>For dung beetle grub control</i> , apply in spring or early summer when damage is first noticed. Water grass thoroughly with ¼ to ½ inch of water immediately after application. Treat again in late summer or early fall if a second generation occurs.	Apply 1.2 lb per 1000 sq ft of lawn.
<i>Spot Treatment</i>	Ants*	Water lightly immediately after application	Apply 0.5 teaspoons over and around each anthill.

\*Ants (Except Carpenter and Pharaoh): Argentine, Southern, Field, Allegheny Mound, Cornfield, Honey, Pavement, Red Imported Fire Ant, Nuisance

## OPTIONAL DIRECTIONS FOR BAND TREATMENT

### OPTION A

#### BAND TREATMENT AROUND HOUSE

##### *General Directions*

The following pests are commonly found around or near foundations of houses as well as in lawns. Some of these pests may enter the home. Apply a 3 to 5 foot band of granules next to the house's foundation.

##### INSECTS:

Ants (except Carpenter and Pharaoh), Mites, Crickets, Earwigs, Fleas, roaches (German & American), Palmetto bugs, water bugs Millipedes, Sowbugs (Pillbugs)

##### RATE:

1.25 oz for each 100 sq ft area (5' by 20').

##### HOW TO USE:

Distribute granules evenly. Water lightly immediately after application.

#### SPOT TREATMENT FOR ANTS

(Except Carpenter and Pharaoh Ants)

##### RATE:

Apply 0.5 teaspoons over and around each anthill.

##### HOW TO USE:

Water lightly immediately after application.

### OPTION B

#### BAND TREATMENT AROUND HOUSE

1. Chemsico Insecticide Granules 5G kills ants (except Carpenter and Pharaoh), as well as fleas, mites, crickets, earwigs, millipedes, roaches (German & American), Palmetto bugs, water bugs, sowbugs (Pillbugs), silverfish, ticks (including ticks which may transmit Lyme Disease) and other listed pests.
2. Break the seal and open the pop-top cap.
3. Evenly sprinkle granules in a 3 to 5 foot wide band along the foundation of your home. Granules should be spaced like the ones pictured below (show picture). Use rate = 0.8 lb per 1000 sq ft (an area 5' x 200') or 1.25 oz for each 100 sq ft (an area 5' x 20').
4. Gently water treated areas.

#### USE TIPS

1. Try to get even coverage throughout your "band".
2. Reapply after hard rains to areas where down spouts empty.

#### SPOT TREATMENT FOR ANTS

(Except Carpenter and Pharaoh)

1. Evenly sprinkle granules over and around each anthill.
2. Apply (0.5 teaspoons) per anthill. [(NOTE: This package will effectively treat 64 anthills.) (The note is for a 2 lb package.)]
3. Gently water treated areas immediately after application.

## STORAGE AND DISPOSAL

**Storage:** Reclose container tightly after each use. Store in a cool, dry area which is inaccessible to children and pets. **Disposal: If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

## PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

**CAUTION.** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Food utensils such as spoons or measuring cups must not be used for food purposes after use in measuring pesticides.

#### First Aid

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice.

Have the product container or label with you when calling a Poison Control Center, doctor, or going for treatment. You may also contact 1-800-332-5553 for emergency medical treatment information.

#### Environmental Hazards

This product is highly toxic to fish and aquatic invertebrates. Do not apply directly to water.

**NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.**

[\*If you are not satisfied with this product for any reason send your written request for a refund to the address below, together with the original dated store receipt showing the price you paid. Please allow 6-8 weeks for processing.]

**[Questions or comments? Call 1-800-332-5553 or visit our website.]**

Made in the USA for  
Chemsico, Division of United Industries Corporation  
P.O. Box 142642, St. Louis, MO 63114-0642

EPA Reg. No. 9688-

EPA Est. No. 9688-MO-1

©2006

## OPTIONAL MARKETING CLAIMS

[Works within [24] hours (no waiting for weeks) • Ready-to-use Granules • \*Guaranteed [Results or Your Money Back] • New! • Re-sealable bag • Kills in 24 hours • New Exclusive Formula • Low odor • No odor • Kills the mound [colony] • Starts to kill in minutes • Starts to kill in hours • Kills Ants (except Carpenter and Pharaoh), Crickets, Fleas, Grubs, Ticks [and other listed pests] • Kills Grubs [and lawn invading [damaging] Pests] • Kills on Contact • Controls many destructive lawn insects, including grubs • Kills Mole Crickets and Chinch Bugs • Kills Fire Ants • White grub control • Effective grub control • Kills insects above and below the ground [surface] • Use on lawns • Kills over 40 types of insects [insect types][as listed] • Kills 43 types of [lawn invading] [lawn damaging] insects [as listed] • Covers [treats] up to 12,500 sq ft • 2X [2.5X] more coverage than standard 5,000 sq ft bags • Lasts for up to 3 months [12 weeks][all season long] against Red Imported Fire Ants • Keeps on Killing Red Imported Fire Ants for up to 3 months [12 weeks][all season long] • Protects your yard from Red Imported Fire Ants for up to 3 months [12 weeks] [all season long] • Kills fire ants and prevents new mound formation for up to 3 months [12 weeks][all season long] • Kills [Works on][Effective control of [against]] all types of listed lawn invading [lawn damaging] insects [pests] • Fast acting plus season long killing power

[control] against Red Imported Fire Ants— Guaranteed! • Season long control against Red Imported Fire Ants • Starts to work immediately [in minutes], keeps working [lasts] all season [long] against Red Imported Fire Ants • See results in minutes [in hours] [overnight] • Limits new mound formation [mound movement] • [One application] lasts all season [long] to control against Red Imported Fire Ants • New, Improved Formula Lasts All Season [Long] To Control Against Red Imported Fire Ants • [One Application] Lasts All Summer [Long] To Control Against Red Imported Fire Ants • Easy to Apply • Apply Once for Season Long Control Against Red Imported Fire Ants]

Product Performance Review  
By  
Kevin Sweeney, Senior Entomologist, IB

*Kevin Sweeney*  
1/30/07

Date: January 30, 2007

Reviewer: Bonaventure Akinlosotu

Product Manager: George LaRocca, PM 13

EPA Reg. No. or File Symbol: 9688-ELN (250)

Product Name: Chemsico Insecticide Granules 5G

PRIA Code: R31 with due date of February 19, 2007

Dec. No. 369727

DP 331976

Product Formulation: Granular

Active Ingredients: 0.5% gamma-cyhalothrin

Application rate: broadcast as directed by the label

Site: outdoor applications on lawns only.

Pests: many pests – see label.

Request: Review submitted new product label. Registrant cited a similar product, EPA Reg. No. 9688-232, containing 0.1% lambda-cyhalothrin. As gamma-cyhalothrin is twice as active as lambda-cyhalothrin, the subject product is applied at the same product rate as the cited product, - is this acceptable?

**Entomologist's Comments and Recommendations:**

1. The subject label is acceptable and accurately reflects the claims and product application rates of the cited product.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

23/JAN/2007

MEMORANDUM

Subject: Name of Pesticide Product: Chemsico Insecticide Granules 5G  
EPA File Symbol: 9688-ELN  
DP Barcode: D331975 & D332309  
Decision No.: 3699727  
PC Code: 128807 Gamma-cyhalothrin

From: Rick J. Whiting  
Technical Review Branch (TRB)  
Registration Division (7505P)

*TOX*  
*RJW*  
*Hasher*  
*1-23-07*

To: Bonaventure Akinlosotu, RM Team 13  
Insecticide Branch  
Registration Division (7505P)

Applicant: Chemsico  
Division of United Industries Corp.  
P.O. Box 142642  
St. Louis, MO 63114-0642

FORMULATION FROM LABEL:

<u>Active Ingredient(s):</u>	<u>% by wt.</u>
128807 Gamma-cyhalothrin (CAS No. 76703-62-3)	0.05%
<u>Inert Ingredient(s):</u>	<u>99.95%</u>
Total:	100.0%

**ACTION REQUESTED:** The Risk Manager requests:

From D331975: "For your review: Application for new product registration. Proposed product is presumably identical to EPA Reg. Nos. 9688-232. Submits prod chem data, and cites acute tox and efficacy data."

From D332309: "Add this to DP 331975"

**BACKGROUND:** The registrant, Chemsico, in its submission states that their new product, Chemsico Insecticide Granules 5G, EPA File Symbol 9688-ELN, is substantially similar to Chemsico Insect Granules LH, EPA Reg. No. 9688-232, except that the new product contains 0.05% Gamma-cyhalothrin while the other contains 0.1% Lambda-cyhalothrin. The registrant further states that the acute toxicity data submitted for EPA Reg. No. 9688-232 "can be bridged to this formulation due to the lower level of the active ingredient."

**COMMENTS AND RECOMMENDATIONS:**

1. After a search of the OPP electronic records, TRB was able to locate the review for EPA Reg. No. 9688-232 (McAndrew; D318118; 21/JUN/2005). As stated in the registrant's submission, the active ingredient is Lambda-cyhalothrin at 0.1%.

2. After a comparison of the CSF's, TRB was concerned the product that the registrant was citing as being "substantially similar" also contains Lambda-cyhalothrin while the new product contains Gamma-cyhalothrin. The only information provided for bridging the data from Lambda-cyhalothrin to Gamma-cyhalothrin was the following: "The previously submitted acute toxicity studies can be bridged to this formulation due to the lower level of the active ingredient." }


After reviewing previous actions dealing with the Cyhalothrin isomers, TRB agreed that the Lambda-cyhalothrin data for the acute oral, dermal, inhalation and primary eye and dermal irritation studies could be bridged. However, we were concerned about the dermal sensitization study. TRB noted that a number of the dermal sensitization studies conducted with Gamma-cyhalothrin were found to be "positive" for dermal sensitization. TRB then contacted the registrant and requested additional information that would indicate/suggest that EPA File Symbol 9688-ELN would not be "positive" for dermal sensitization.

TRB received the following information in an email from Eric Smith, Regulatory Affairs Specialist, Chemsico:

According to the following extract from a 2004 EPA Tolerance Action, Gamma-cyhalothrin is the resolved isomer in lambda-cyhalothrin. We are using 1/2 the concentration of Gamma than what we used in the Lambda formulation approved by the EPA previously as Chemsico Insect Granules LH. For that reason, the Dermal Sensitization results should be entirely bridgeable to the 5G formulation. (It uses 1/2 the amount of AI and contains essentially the same level of Gamma-cyhalothrin as the Insect Granules LH). Dermal Sensitization has been seen at levels

much higher than we market but that information is not applicable in this case. We have not seen any Dermal Sensitization in any of our formulations of Lambda-cyhalothrin even at higher concentrations.

Gamma-cyhalothrin is a single, resolved isomer of the pyrethroid insecticide cyhalothrin, and as such shares physical, chemical, and biological properties with both cyhalothrin and lambda-cyhalothrin, which are mixtures of 4 and 2 isomers respectively. Gamma-cyhalothrin is the most insecticidally active isomer of cyhalothrin/lambda-cyhalothrin, and thus the technical gamma-cyhalothrin product may be considered a refined form of cyhalothrin/lambda-cyhalothrin in that it has been purified by removal of less active and inactive isomers. Thus, similar levels of insecticidal efficacy for gamma-cyhalothrin can be obtained with significantly reduced application rates as compared with either cyhalothrin or lambda-cyhalothrin.

 Based on the additional information that the registrant provided, TRB agrees that the dermal sensitization study from Lambda-cyhalothrin can be bridged to Gamma-cyhalothrin for this decision only. For future registrations, the registrant should use the preferred LLNA assay for dermal sensitization using the appropriate active ingredient/isomer.

Additionally, TRB agrees that EPA File Symbol 9688-ELN is substantially similar toxicologically to EPA Reg. No. 9688-232.

3. The acute toxicity profile for Chemsico Insecticide Granules 5G, EPA File Symbol 9688-ELN, is as follows:

Acute oral toxicity	IV	Acceptable (cited EPA Reg. No. 9688-323)
Acute dermal toxicity	IV	Acceptable (cited EPA Reg. No. 9688-323)
Acute inhalation toxicity	IV	Acceptable (cited EPA Reg. No. 9688-323)
Primary eye irritation	III	Acceptable (cited EPA Reg. No. 9688-323)
Primary skin irritation	IV	Acceptable (cited EPA Reg. No. 9688-323)
Dermal sensitization	Negative	Acceptable (cited EPA Reg. No. 9688-323)

4. Based on the toxicity profile above, the following are the precautionary and first aid statements for this product as obtained from the Label Review System:

**PRODUCT ID #:** 009688-00250

**PRODUCT NAME:**

**PRECAUTIONARY STATEMENTS**

**SIGNAL WORD:** CAUTION

**Hazards to Humans and Domestic Animals:**

**First Aid:**

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-xxx-xxxx for emergency medical treatment information.



FEE

\*Product ingredient source information may be entitled to confidential treatment\*

**DATE OUT:** 12/JANUARY/ 2007

**SUBJECT:** **PRODUCT CHEMISTRY REVIEW OF MP [ ] EP [X]**  
**DP BARCODE No.:** D331974 **EPA File Symbol No.:** 9688-ELN  
**PRODUCT NAME:** Chemsico Insecticide Granules 5G  
**COMPANY:** Chemsico  
**FOOD USE [ ] INTEGRATED FORMULATION [ ]**  
**PCC:** 128807 **Decision No.** 369727 **ACTION CODE:** R31

**FROM:** Hari Mukhoty,  
Product Chemistry Team  
Technical Review Branch / RD (7505P)

SBM 01/16/07

**TO:** Bonaventure Akinlosotu / George Larocca, RM 13  
Insecticide Branch / RD (7505P)

Wue  
1/16/2007

**INTRODUCTION:**

The Registrant has submitted a basic CSF for a new product, and has proposed a product specific label (both dated 02/09/2006) to support the registration of the subject end-use product EPA File Symbol: 9688-ELN. The applicant has claimed that the proposed formulation is substantially similar (Me-Too) in composition and labeling to the registered products EPA Reg. No. 9688-232. The registrant has also cited the product chemistry data corresponding to Subgroup A and Subgroup B under MRID Nos. 469033-01, -02 & -03. The TRB has been requested to evaluate the product chemistry data submitted and to determine proposed product's similarity with the cited product for registration of the subject formulation.

**SUMMARY OF FINDINGS**

1. The proposed new basic formulation is considered substantially similar to the registered cited product because the proposed formulation contains lower concentration of active ingredient (Gamma-cyhalothrin 0.05%) compared to the registered cited product (Lambda-cyhalothrin 0.10%) and besides that the rest of the composition used in CSF and the labeling are very similar between the aforesaid formulations. Hence, the difference only in active ingredient composition of the proposed formulation from the registered product would not significantly increase the risk of unreasonable adverse effects on the environment [FIFRA§3(c)(3)(B)(i)(I)]. Therefore, from the aforesaid perspective, the product chemistry data from the cited registered product can be used to support the registration of the proposed product [FIFRA§3(c)(1)].
2. The proposed basic and the cited formulation contain single active ingredient Gamma-cyhalothrin 0.05% and Lambda-cyhalothrin 0.10% respectively.
3. The source material of the active ingredient in proposed basic and the cited formulations are:

[REDACTED]

**DP BARCODE No.:** D331974 **EPA File Symbol No.:** 9688-ELN **PRODUCT NAME:**  
Chemsico Insecticide Granular 5G

4. The nominal concentrations of the active ingredients in the proposed basic and cited formulation are: Gamma-cyhalothrin 0.05% and Lambda-cyhalothrin 0.10% respectively and these match their respective label claims.
5. The certified limits of the active ingredient in the proposed basic and alternate formulation CSFs are in compliance with the standard certified limits set forth in 40CFR§158.175(b)(2).
6. The CSF of the basic formulation (dated 2/9/2006) are filled out correctly & completely. The CSF for basic formulation is in compliance with PR Notice 91-2. The inert ingredients present in the proposed formulation are cleared by the Agency for proposed non food use.
7. The data cited corresponding to guidelines 830.1550 (product identity & composition), 830.1600 (materials used to produce the product), and 830.1650 (description of production process), 830.1670 (discussion of formation of impurities), satisfy the product chemistry data requirements of 40CFR§158.155, 158.160, 158.162, 158.165 and 158.167 respectively [MRID No. 469033-02].
8. The method proposed corresponding to guideline 830.1800 (enforcement analytical method) satisfy the requirements of 40CFR§158.180. The Gamma-cyhalothrin analyzed utilizing HPLC method by comparing the peak areas for the sample with a standard of known percentage purity of 2-ethylhexyl (diluted with trifluoroacetic acid in acetonitrile) as an internal standard is acceptable [Shimadzu Model equipped with 150 mm x 3.0 mm x 3 µm ACE 318HL HPLC column & SPD-10Avp or SPD-10A variable wavelength UV-Vis detector or equivalent was used MRID No. 469033-03].
9. The data cited corresponding to guideline 830 series Subgroup A and Subgroup B, with the exception of storage stability (830.6317) and corrosion characteristics (830.6320), satisfy the data requirements of 40CFR §158.190 [MRID Nos. 469033-01, -02 & -03].

#### **CONCLUSIONS:**

The TRB has reviewed the product chemistry data submitted for the proposed basic end use and the cited formulation and has concluded that:

1. The proposed basic end use formulation and the registered cited product are substantially similar.
2. The CSF for the proposed basic formulation (EPA File Symbol No. 9688-ELN) is acceptable.
- 7 | 3. The product chemistry data submitted for the guidelines 830 Series Subgroup A and Subgroup B, with the exception of storage stability (830.6317) and corrosion characteristics (830.6320), are acceptable.
- 6 | 4. The registrant shall generate one year storage stability (830.6317) and corrosion characteristics (830.6320) data on the proposed product. It is recommended that the observations be made at Day 0, and 3, 6, 9, and 12 month intervals. The results must be submitted to the Agency in the electronic format and as well as a hard copy.
5. The HPLC analytical technique for quantitative determination of active ingredient is acceptable.

**DP BARCODE No.:** D331974 **EPA File Symbol No.:** 9688-ELN **PRODUCT NAME:**  
Chemsico Insecticide Granular 5G

PRODUCT CHEMISTRY DATA (SERIES 830 Subgroup A)

Subgroup A	<u>Data Required</u> <u>Fulfilled</u>	<u>MRID No.</u>
830.1550. Chemical Identity (Same as Reg. Product. CSF)	A	469033-02
830.1600. Beginning Materials	A	469033-02
830.1650. Formulation Process	A	" " "
830.1670. Discussion of Impurities	A	" " "
830.1700. Preliminary Analysis	NA	
830.1750. Certified Limits (Basic CSF)	A	469033-02
830.1800. Enforcement Analytical Method	A	469033-02



"Smith, Eric"  
<eric.smith@spectrumbrands.  
com>

01/23/2007 10:23 AM

To Rick Whiting/DC/USEPA/US@EPA

cc

bcc

Subject RE: Question concerning registration of EPA File Symbol  
9688-ELN, Chemsico Insect Granules LH

Mr. Whiting,

Thanks for the email. According to the following extract from a 2004 EPA Tolerance Action, Gamma-cyhalothrin is the resolved isomer in lambda-cyhalothrin. We are using 1/2 the concentration of Gamma than what we used in the Lambda formulation approved by the EPA previously as Chemsico Insect Granules LH. For that reason, the Dermal Sensitization results should be entirely bridgeable to the 5G formulation. (It uses 1/2 the amount of AI and contains essentially the same level of Gamma-cyhalothrin as the Insect Granules LH). Dermal Sensitization has been seen at levels much higher than we market but that information is not applicable in this case. We have not seen any Dermal Sensitization in any of our formulations of Lambda-cyhalothrin even at higher concentrations.

Gamma-cyhalothrin is a single, resolved isomer of the pyrethroid insecticide cyhalothrin, and as such shares physical, chemical, and biological properties with both cyhalothrin and lambda-cyhalothrin, which are mixtures of 4 and 2 isomers respectively. Gamma-cyhalothrin is the most insecticidally active isomer of cyhalothrin/lambda-cyhalothrin, and thus the technical gamma-cyhalothrin product may be considered a refined form of cyhalothrin/lambda-cyhalothrin in that it has been purified by removal of less active and inactive isomers. Thus, similar levels of insecticidal efficacy for gamma-cyhalothrin can be obtained with significantly reduced application rates as compared with either cyhalothrin or lambda-cyhalothrin.

Please let me know if my response is unclear in anyway, or if you continue to have questions.

Eric Smith

-----Original Message-----

From: Whiting.Rick@epamail.epa.gov [mailto:Whiting.Rick@epamail.epa.gov]  
Sent: Thursday, January 18, 2007 4:19 PM  
To: Duckworth, Charlie; Smith, Eric  
Cc: Hashim.Masih@epamail.epa.gov  
Subject: Question concerning registration of EPA File Symbol 9688-ELN, Chemsico Insect Granules LH

Mr. Charles Duckworth & Mr. Eric Smith,

My name is Rick Whiting and I work for the Technical Review Branch (TRB), Registration Division, Office of Pesticide Programs. I am currently working on your submission for EPA File Symbol 9688-ELN, Chemsico Insect Granules LH and question that I need addressed.

When I first reviewed your submission I was concerned because the product you were citing as being "substantially similar" too contains Lambda-cyhalothrin while your product contains Gamma-cyhalothrin. The only information you provided for bridging data from Lambda-cyhalothrin to Gamma-cyhalothrin was the following: "The previously submitted acute toxicity studies can be bridged to this formulation due to the lower level of the active ingredient." After reviewing previous actions dealing with the Cyhalothrin isomers and meeting with my branch chief and team leader, we agreed that the Lambda-cyhalothrin data for the acute oral, dermal, inhalation and primary eye and dermal irritation studies could be bridged. However, we are concerned about the dermal sensitization study. We noticed that a number of the dermal sensitization studies conducted with Gamma-cyhalothrin were found to be

"positive" for dermal sensitization.

My question is as follows: Do you have any additional information that you can provide that would indicate/suggest that your product would not be "positive" for dermal sensitization?

Thank you.

Rick Whiting  
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